Environmental Solutions

Assessment - Engineering - Management

November 20, 2000 Project No. ES00-005

Mr. Johnny Marasco Construction Administrator Boeing Realty Corporation 4060 Lakewood Blvd. 6th Floor Long Beach, CA 90808-1700

Re:

Asbestos Bulk Sample Analyses

The Pit

Dear Johnny:

Pursuant to your request for our asbestos consulting services and in accordance with our field observations at the site in the area of Building 2, we collected a bulk samples of friable materials suspected of containing asbestos. The materials appear to have been left in the pit located at the 19901 Normandie Avenue Boeing facility.

The sample was placed in a sealed plastic bag and transported to EMS Laboratories, Inc, in Pasadena, California for PLM analyses. The sample was immediately analyzed by EPA 600/R-93/116 for determination of asbestos fibers. The results indicate Chrysotile asbestos fibers @ 10% in the bulk sample (the laboratory's preliminary copy is enclosed).

This material is classified as "friable" and its removal must be performed in accordance with OSHA and EPA regulations for abatement and disposal of such materials

Should you have any questions, please contact me.

Environmental Solutions

Michael Rezvani, REA, CAC

Principal Consultant

NOV 2 2 2000

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REPORT NO:

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PLIENTE

ENVIRONMENTAL SOLUTIONS 2601 E. CHEVY CHASE DR.

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DATE.

Nov 20, 2000

GLENDALE, CA 91206

DATE RECEIVED:

Nov 20, 2000 12:40 PM

ATTENTION:

MIKE REZVANI

DATE ANALYZED:

Nov 20, 2000

REFERENCE

ES 00-005

BOEING/UNDER GROUND/ABATE

DATE / TIME COLLECTED:

Nov 20, 2000 AT 12:00 PM, BY MIKE REZVANI

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

Sample(s)

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 800/R-91/118

ACCREDITED:

National Institute of Standards and Technology (NVLAP) #10/216

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angelos County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER

SAMPLE LOCATION & DESCRIPTION

COLABLE

VISUAL DESCRIPTION TAN GRANULAR

ASBESTIFORM MINERALS

CHRYSOTILE 10%

OTHER FIBROUS MATERIALS

NON-FIBROUS MATERIALS GRANULAR MINERALS

CELLULOSE LESS THAN 1%

VERMICULITE

T Trace

91% = greater than 1%

<1% = less than 1%

Optical Microscopist

R M Kolk, Labora

The EPA method is a semi-quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the aspestos libers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which me sample was textin. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before triable

material is considered non-aspectos-containing.

This raport, from a NIST accordited laboratory through NVLAP, must not be used by the client to claim product accorsement by NVLAF or any agency of the U.S. Government.

Note. This report shall not be reproduced, except in full, without the written approval of EMS Leboratories, inc.

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